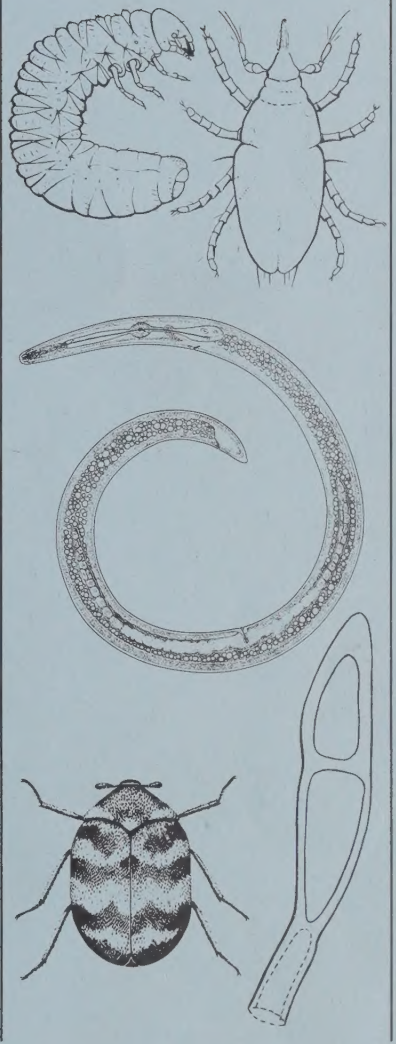
91

INTERCEPTED PLANT PESTS 1967 - 1968

issued by
PLANT PROTECTION DIVISION
PRODUCTION & MARKETING
BRANCH
CANADA DEPARTMENT
OF AGRICULTURE

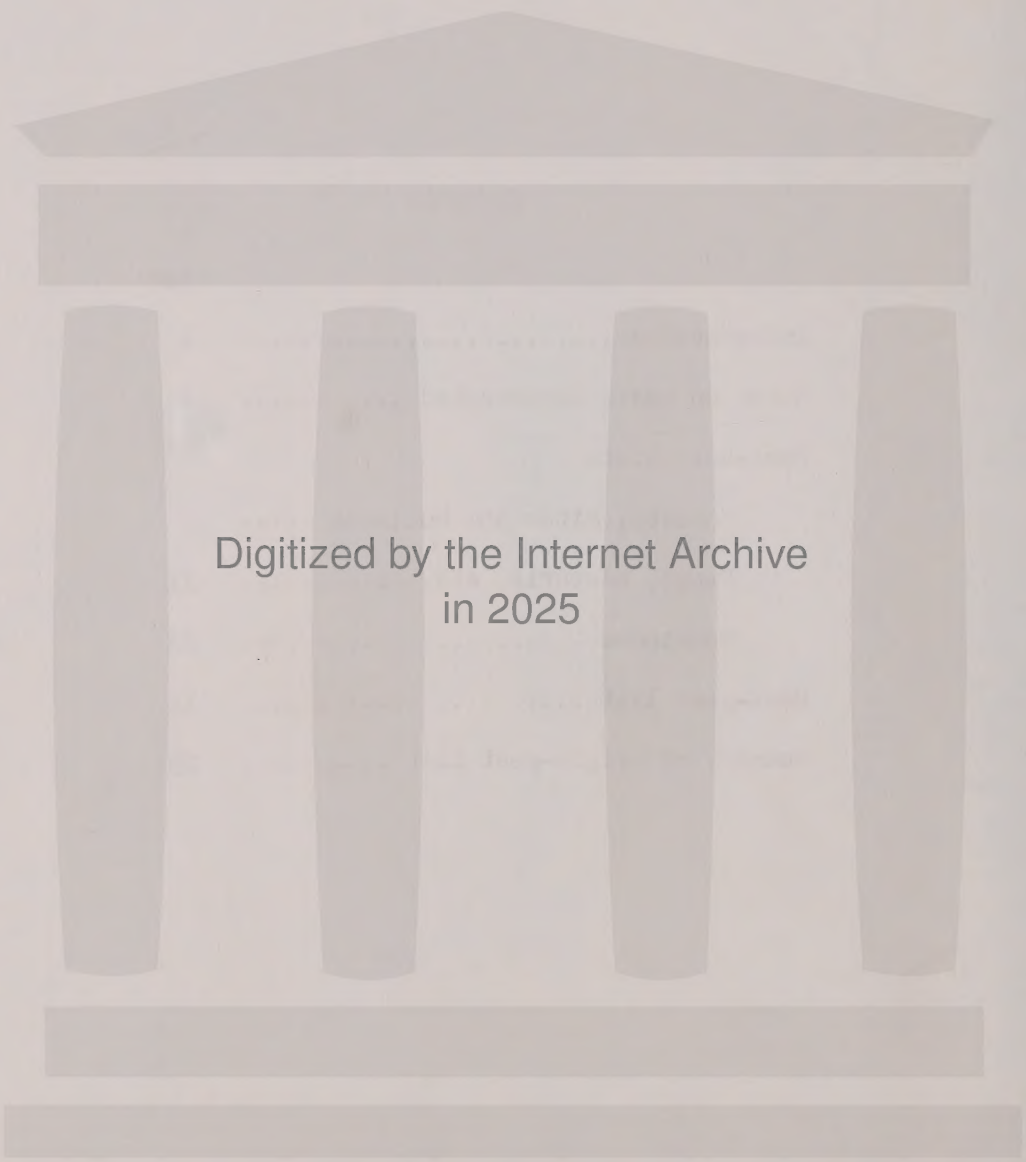
PLANT QUARANTINE



COMMONWEALTH MYCOLOGICAL INSTITUTE
13 JUN 1969

CONTENTS

	Page
Introduction	1
Notes on pests intercepted	2
Pest-host lists	
Insects, mites and Mollusca	4
Fungi, bacteria, etc.....	11
Nematodes	12
Host-pest list	18
Country of origin-pest list	23


Digitized by the Internet Archive
in 2025

https://archive.org/details/intercepted-plant-pests_1967-1968

CANADA DEPARTMENT OF AGRICULTURE

Production and Marketing Branch — Plant Protection Division

LIST OF INTERCEPTED PLANT PESTS

April 1st, 1967 - March 31st, 1968

INTRODUCTION

This report summarizes the import interception records of the Plant Protection Division for the period April 1st, 1967, to March 31st, 1968, and includes plant pests found on plants, plant products, baggage, cargo, mail or carriers entering Canada. Pest records concerning pre-shipment inspection of flowering bulbs in the Netherlands, the Canadian Nursery Survey, Canadian Export Certification, and various domestic surveys may be found in other reports covering these activities. The following lists include only those pests which are considered to be of plant quarantine interest and a few which may be of interest because they are new to the country of origin or to the host plant or are of limited distribution in Canada.

In order to prepare a report of this type, Canadian distribution records for the various plant pests must be available and the taxonomy of the various groups must be relatively stable. Where there is insufficient information in regard to these requisites, the pests concerned are arbitrarily included in these lists.

In this report pests are recorded in three groups: insects, etc.; fungi, bacteria, etc; and nematodes. Imports are divided into two groups: "propagation" and "consumption", according to their obvious or intended use. The term "non-entry" may appear under either of these two groups. This refers to the interception of a pest in the space of a carrier (ship, airplane, etc.) or on some product, plant, etc. within the carrier not intended to be moved into this country. In all cases, however, the carrier was present on Canadian soil or in Canadian waters at the time of inspection. The heading "Host (or carrier)" is used in this report because many of the plants associated with a specific pest may not necessarily be host plants, and soil or other materials not associated with plants at the time of interception may also carry pests. The term "Soil" is used only when no recognizable plant or plant material could be associated with the soil in which a pest was found.

Both the "Host" and "Origin" lists refer only to the name of the pest organism. The most complete information is available in the "Pest" list. A large number of intercepted insects, mites, mollusca, fungi, bacteria and nematodes were not included in these lists, but information on these as well as more detailed information on those included here is on file and may be obtained by contacting The Director, Plant Protection Division, Ottawa.

With few exceptions, determinations of insects, nematodes and fungi were made or were confirmed by specialists in the Research Branch, Canada Agriculture. Mollusca were identified at the Canadian National Museum. In certain ports, inspectors are qualified to make identifications of specific pests because of frequent interceptions of the pest from the same state or country. However, even such identifications are checked by specialists from time to time. The scientific names in these lists are those provided by each specialist at the time the determinations were made. Many pests were incompletely determined, but those which may be of quarantine significance are included in the lists.

Notes on Pests Intercepted

There were 1,285 pest interceptions made during the 1967-68 fiscal year. Most of the increase in interceptions over the previous year, when the total was 1,071, was due to increased insect interceptions. During the period covered by this report additional attention was paid to the examination of cargo ships and incoming cargo.

This report also covers the period of "Expo '67" when many exotic products, not normally imported, were exhibited. The landscaping of the "Expo" pavilions and parks required the importation of many large size trees and shrubs in appropriately sized soil balls from the U.S.A. Many of the records of free-living nematodes were obtained from such imports.

The following table compares the total interceptions for each of the three pest groups with the related totals which are of quarantine or other interest.

	No. of Interceptions	
Pest Group	Total	Of P.Q. significance
Nematodes	485	398
Fungi, Bacteria, etc.	173	11
Insects, mites, etc.	627	210
Grand Total	1,285	619

No attempt was made in previous reports to consider these pests on the basis of the crops on which they could be of potential significance in Canada. Because the agricultural economy is usually considered in terms of "crops" and their relative importance an arbitrary division of intercepted pests was created on the basis of their important potential host crops. The main difficulty in arranging such a division is that many pests are not obligate parasites, in fact most of these intercepted pests have a rather wide host range. For this reason the same organism could be placed under any one of several crops depending on the economic importance of the various crops in any particular area under consideration. Nevertheless, a graph of "Interceptions of Pests of Important Crops" is included herewith to provide the reader with some perspective. Only those 619 interceptions of some quarantine interest are included in the graph.

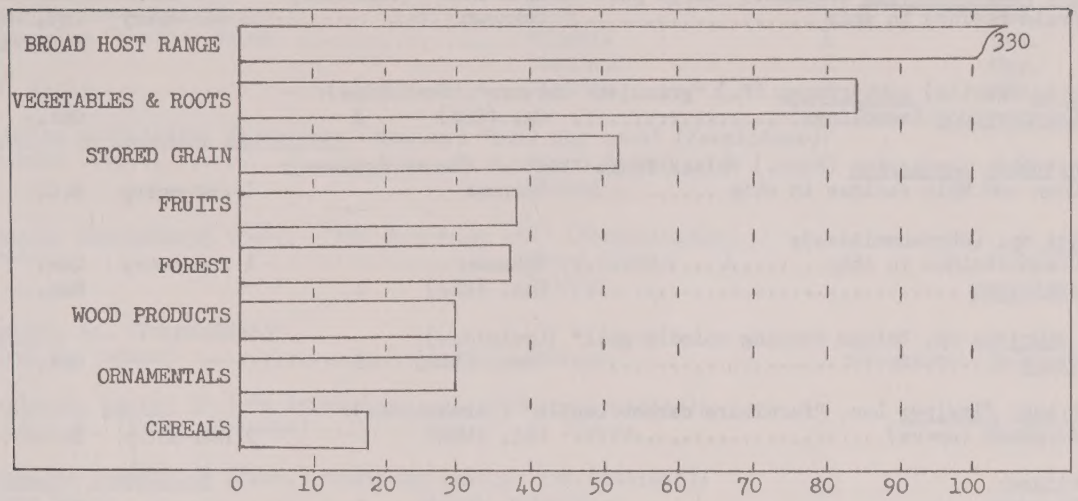
Pests with low host specificity make up the largest group and many free-living nematodes are included. This group also includes the ants: Solenopsis geminata, "the fire ant" from the Caribbean, Euponera solitaria from Japan, Camponotus abdominalis floridanus "bull dog ants" and C. ferrugineus "the red carpenter ant", all first interceptions. Helix aspersa, "the brown garden snail", intercepted four times from California is also in this group. Many members of this general group are important crop pests in areas where they are established while the role of others such as many of the free-living nematodes is not yet fully understood.

The vegetable and root crop group contains most of the root-knot nematodes because these can cause direct loss to such crops as tomatoes, potatoes, carrots, etc. Others such as Heterodera rostochiensis (intercepted 8x), H. schachtii and H. goettingiana are more host specific and are readily associated with the respective hosts;potatoes, beets and peas.

Many stored grain pests were found during the examination of foreign ships intending to load Canadian grain or cereal products. Some first interception records in this group were: Alphitobius laevigatus, "the black fungus beetle", Cartodere sp., a "plaster beetle", Corticaria pubescens a "fungus beetle" and Thorictodes heydeni, a dermestid. Trogoderma granarium, "the khapra beetle" was found on only one ship.

Among the fruit pests of interest were: Aspidiotus sp.,a scale, on apples from South Africa, Morrisonia sp., a cutworm, on apples from Australia, Platynota stultana, a tortricid, on rose and grape ivy from California, Laspeyresia splendana on walnuts from Italy and Xiphinema spp. on various plants from U.S.A. The latter can cause injury to forest and other crops but because of the potential role of some species as fruit virus vectors it is included here.

INTERCEPTIONS OF PESTS OF IMPORTANT CROPS, 1967-68



The forest and wood products group contained: Arctiidae (eggs) on poplar from the Netherlands; Dinoderus bifoviolatus, D. brevis, Heterobostrychus aequalis, H. brunneus and Xylothrips flavipes all found in various crating material from India; Ips typographus, "spruce bark beetle" (first interception) in wood on a ship probably from Russia; Sterrha sp. (first interception) a geometrid in Tilia flowers from Italy; Myxosporium lanceola which causes twig canker of oak and chestnut, twice on oak from the Netherlands and Colesporium senecionis which causes a needle rust on pine, was found on an alternate host, probably chrysanthemum, from the Netherlands in passenger's baggage.

On ornamentals there were several diseases of interest. Ascochyta sp. caused a leaf and bud decay on chrysanthemum cuttings from Florida. This is the first report of Ascochyta directly associated with imported chrysanthemum. Curvularia trifolii f. sp. gladioli, which causes a leaf spot and corm rot of gladiolus was found on gladiolus from New Jersey. This represents the first time that this disease has been found on imported corms. Phyllosticta buxina and Puccinia buxi were found as first interceptions on a single importation of box from Spain.

Only a small number of cereal pests were intercepted. Puccinia graminis f. sp. tritici was found in the teliospore stage twice in passenger's baggage on decorative dried wheat plants from two Mediterranean countries and Heterodera avenae was found at least thirteen times on various uncertified or improperly certified shipments from several European countries.

At least one significant interception in every six was from air passenger's baggage. This ratio is all the more important when one realizes that these pests were taken in most instances from small single plants, cuttings or roots,(none were from fruit carried in passenger's baggage) and of the total about 85% were from the Montreal and Vancouver airports.

A. E. Straby
Central Identification Laboratory
Plant Protection Division

March 31, 1969.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Acedes pallescentella (Staint.) "large pale clothes moth" (Tineidae):					
	Grain residue in ship	Unknown		8 non-entry	Ont, Que(3x), B.C. (4x)
Agrotis (Feltia) subterranea (F.) "granulate cutworm" (Noctuidae):					
	Lycopersicon (seedlings)	Ga. (USA)	1		Ont.
Alphitobius laevigatus (Fabr.) "black fungus beetle" (Tenebrionidae):					
	Corn and Milo residue in ship	Unknown		1 non-entry	B.C.
Altica sp. (Chrysomelidae):					
	Grain residue in ship	Unknown		1 non-entry	Que.
	Juniperus	Cal. (USA)	1		Man.
(?) Andricus sp. "midge causing spindle gall" (Cynipidae):					
	Vinca	Tenn. (USA)	1		Ont.
Anthrenus flavipes Lec. "furniture carpet beetle" (Dermestidae):					
	Airplane (space)	Cal. (USA)		1 non-entry	B.C.
Arctiidae:					
	Ficus	N.Y. (USA)	1		Que.
	Populus	Netherlands	1		N.S.
Arianta (Helicigona) arbustorum (L.) "a snail" (Helicidae):					
	*Herbaceous plants	Europe	1		Que.
		Monaco	1		Que.
Arion ater (L.) "the black slug" (Arionidae):					
	Laburnum	Netherlands	1		Ont.
	Picea	"	1		Alta.
Aspidiotus hederae (Vallot) "ivy scale" (Diaspididae):					
	Ilex	Ore. (USA)	1		Alta.
	*Nerium (Oleander)	Italy	1		Que.
Aspidiotus sp. (Coccidae):					
	Malus (fruit)	S. Africa		1	Que.
Attagenus gloriosae (F.) (Dermestidae):					
	Rosa (dried flowers)	Morocco		1	Que.
	Silk cocoons	Thailand		2	Que.
(?) Autoplusia egena Gn. (Noctuidae):					
	Chrysanthemum (cuttings)	Fla. (USA)	1		Ont.
Blatta orientalis L. "oriental cockroach" (Blattidae):					
	Ananas (pineapple)	Hawaii (USA)		1	B.C.
Bruchus lentis Froelich "lentil weevil" (Bruchidae):					
	Lens culinaris (lentil)	Lebanon		1	Que.
Bruchus rufimanus (Boh.) "broadbean weevil" (Bruchidae):					
	Vicia faba (broadbean)	Italy		3	N.S., B.C. (2x)
Bruchus tristiculus (Fahraeus) "sweetpea weevil" (Bruchidae):					
	(?) Lathyrus	Portugal	1		Que.

* Indicates plants and materials prohibited entry by regulation.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Callosobruchus maculatus (F.) "cowpea weevil" (Bruchidae):					
	Arachis (peanuts)	Togo		1	Que.
	Phaseolus (various beans)	Nigeria		1	Que.
		Thailand		1	Que.
	(?) Vicia	Nigeria		1	Que.
Camponotus abdominalus floridanus (Buckley) "bull dog ants" (Formicidae):					
	Orchids	Grand Cayman Island	1		B.C.
Camponotus ferrugineus (Fabr.) "red carpenter ant" (Formicidae):					
	Orchids	Grand Cayman Island	1		B.C.
Camponotus sp. (Formicidae):					
	Airplane (space)	Unknown		1 non-entry	B.C.
Carpoglyphus lactis (L.) "a dried fruit mite" (Carpoglyphidae):					
	Prunus sp. (dried apricots)	S. Africa		1	Que.
Carpophilus dimidiatus (Fabr.) "corn sap beetle" (Nitidulidae):					
	Cocoa beans	Cameroon		1	Que.
Carpophilus hemipterus (L.) "dried fruit beetle" (Nitidulidae):					
	Ananas (pineapple)	Hawaii (USA)		1	B.C.
	Brazil nuts	Brazil		1	B.C.
	Grain residue in ship	Unknown		1 non-entry	Ont.
Carpophilus humeralis (Fab.) "a dried fruit beetle" (Nitidulidae):					
	Ananas (pineapple)	Hawaii (USA)		2 non-entry	B.C.
	Copra residue in ship	Unknown		1 non-entry	B.C.
Carpophilus obsoletus Ericks. "a dried fruit beetle" (Nitidulidae):					
	Ananas (pineapple)	Hawaii (USA)		1	B.C.
	Cocoa beans	Cameroon		1	Que.
	Oryza (rice)	China		1	B.C.
	Panicum (millet residue on ship)	Texas (USA)		1	B.C.
Cartodere sp. "plaster beetles" (Lathridiidae):					
	Grain residue in ship	S. America		1 non-entry	B.C.
Cepaea nemoralis (L.) "the banded wood snail" (Helicidae):					
	Ligustrum	Netherlands	1		Ont.
Ceratitis capitata (Wied.) "Mediterranean fruit fly" (Tephritidae):					
	Citrus (orange fruit)	S. Africa		1	Que.
Ceruraphis eriophori (Wlk.) (Aphididae):					
	Viburnum	Netherlands	1		Man.
Chionaspis longiloba Cooley "longiloba scale" (Diaspididae):					
	*Cordyline (Ti plant)	Hong Kong	1		B.C.
Chrysolina sp. prob. americana (L.) (Chrysomelidae):					
	*Rosmarinus (rosemary herb)	Italy	1		Que.
Chrysolina sp. prob. banksi (F.) (Chrysomelidae):					
	Household effects	Portugal		1	B.C.
Corticaria pubescens Gyllen (Lathridiidae):					
	Grain residue in ship	Unknown		1 non-entry	B.C.
	Picea	Belgium	1		B.C.
	Zingiber (ginger)	Trinidad		1	Que.

* Indicates plants and materials prohibited entry by regulation.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Cossoninae "a weevil" (Curculionidae):					
	Orchids	Grand Cayman Island	1		B.C.
Cryptolestes pusillus (Schoen.) "a flat grain beetle" (Cucujidae):					
	Grain residue in ship	Unknown		1 non-entry	B.C.
Cryptolestes turcicus (Grouv.) "a flat grain beetle" (Cucujidae):					
	Grain residue in ship	Unknown		1 non-entry	B.C.
Cryptorhynchini "a weevil" (Curculionidae):					
	Orchids	Grand Cayman Island	1		B.C.
Ctenicera sjaelandica (Müll.) (Elateridae):					
	Sphagnum packing	Netherlands		1	Man.
Curculio sp. (Curculionidae):					
	Quercus (seed)	Mass. (USA)	1		Alta.
Cytilus sp. prob. alternatus Say "a pill beetle" (Byrrhidae):					
	Sphagnum packing	Netherlands		1	Man.
Diaspis boisduvalii (Segn.) "boisduval scale" (Diaspididae):					
	Chamaedorea (palm)	Ca. (USA)	1		B.C.
Dinoderus bifoviolatus (Wollaston) (Bostrichidae):					
	Wood crates (holding cashew nuts)	India		1	Ont.
Dinoderus brevis Horn. (Bostrichidae):					
	Bamboo crates (holding palmyra)	India		6	N.S., Que (4x) Ont.
Elater abruptus Say "a wireworm" (Elateridae):					
	Inula	N.H. (USA)	1		N.S.
Eriophyes sp. "eriophyid mites" (Eriophyidae):					
	Betula (birch branches with leaves)	Finland		1	B.C.
Euponera solitatia (F. Sm.) (Formicidae):					
	Wood parts of farm machinery	Japan		1	Ont.
Forficula auricularia L. "European earwig" (Forficulidae):					
	Ananas (pineapple)	S. Africa		1	Que.
		Hawaii (USA)		3	B.C.
	Ship (space)	Unknown		1 non-entry	Que.
Geometridae:					
	Rosa (dried flowers)	Morocco		1	Que.
Gibbium psylloides (Czemp) "storehouse beetle" (Ptinidae):					
	Grain residue in ship	Unknown		1 non-entry	B.C.
Glischrochilus quadrisignatus (Say) "a dried fruit beetle" (Nitidulidae):					
	Ship (space)	Unknown		1 non-entry	Que.
Gracilaria azaleella Brants "azalea leaf miner" (Gracilariidae):					
	Rhododendron	Ohio (USA)	1		Ont.
		Oregon (USA)	4		B.C.

* Indicates plants and materials prohibited entry by regulation.

PEST (insect,etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Helix aspersa (Müller) "brown garden snail" (Helicidae):					
	Cactus plants	Cal. (USA)	1		B.C.
	Juniperus	Cal. (USA)	1		Man.
	Ornamentals (in cans)	Cal. (USA)	2		B.C.
Prob. Hemiberlesia lataniae (Sign.) "latania scale" (Diaspididae):					
	Schefflera	Fla. (USA)	1		Que.
Heterobostrychus aequalis (Water.) (Bostrychidae):					
	Wood crates (holding cashew nuts)	India		1	N.S.
	Wood crates (holding glass material)	India		1	Que.
Heterobostrychus sp. prob. brunneus (Murray) (Bostrichidae):					
	Bamboo crates (holding palmyra)	India		1	Que.
Heterobostrychus sp. (Bostrichidae):					
	Bamboo crates (holding palmyra)	India		1	Que.
	Drums (muscial instruments)	Kenya		1	Que.
Hofmannophila pseudospretella (Staint.) "brown house moth" (Oecophoridae):					
	Airplane (space)	Japan		1 non-entry	B.C.
	Grain residue in ship	U.K. (?)		2 non-entry	Que.
Ips typographus (L.) "spruce bark beetle" (Scolytidae):					
	Wood (ship bulkhead)	U.S.S.R. (Russia?)		1 non-entry	B.C.
Laphygma sp. (Noctuidae):					
	Zea (fresh corn)	Fla. (USA)		1	Alta.
Laspeyresia splendana Hbn. (Olethreutidae):					
	Juglans (walnuts)	Italy		1	Que.
Lathridius minutus (L.) "square nosed fungus beetle" (Lathridiidae):					
	Bamboo baskets	China		1	Que.
Leptothorax sp. (Formicidae):					
	Household effects	Jugoslavia (?)		1	B.C.
Limothrips cerealium Hal. "grain thrips" (Thripidae):					
	Narcissus	Netherlands	1		Ont.
Locustidae:					
	Airplane (space)	Unknown (Pacificsarea)		1 non-entry	B.C.
	Calamondin	Fla. (USA)	1		B.C.
Lyctus africanus Lesne "powder post beetles" (Lyctidae):					
	Drums (musical instruments)	Kenya		1	Que.
	Wood crates (holding silk viscose)	India		1	N.S.
Microgramme arge Reit. "minute brown scavenger beetles" (Lathridiidae):					
	Oryza (rice)	Australia		1	B.C.
Minthea rugicollis (Wlk.) (Lyctidae):					
	Airplane (space)	Hawaii (USA)		1 non-entry	B.C.
	Wood crates (holding silk viscose)	India		1	N.S.
Monarthropalpus buxi (Lab.) "box leaf miner" (Cecidomyiidae):					
	*Buxus	Spain	1		Alta.

* Indicates plants and materials prohibited entry by regulation.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Monomorium minimum (Buckley) "little black ant" (Formicidae):					
	Orchids	Grand Cayman Island	1		B.C.
prob. Morrisonia sp. (Noctuidae):					
	Malus (apples)	Australia		1	B.C.
Murmidius ovalis Beck. "cylindrical bark beetles" (Colydiidae)					
	Pepper and coffee	Unknown (Pacific area)		1	B.C.
Myrmica laevinodis Nyl. "a red ant" (Formicidae):					
	Packing material on plants	N. Ireland		1	Que.
Noctuidae:					
	Cynara (globe artichoke)	Europe		1	Que.
	Juniperus	Cal. (USA)	1		Man.
	Pistia (water lettuce)	Trinidad	1		Que.
	Ship (space)	USSR (country?)		1 non-entry	Que.
Notaris sp. (Curculionidae):					
	Sphagnum packing	Netherlands		1	Man.
Ostrinia nubilalis Hbn. "European corn borer" (Pyraustidae):					
	Zea (dried corn stalks)	Netherlands		1	Que.
Paratrechina longicornis (Lat.) "the crazy ant" (Formicidae):					
	Ananas (pineapples)	Hawaii (USA)		1	B.C.
	Fruit (unidentified)	Philippines		1	B.C.
	Orchids	Grand Cayman Island	1		B.C.
Pheidole dentata Mayr "big headed ants" (Formicidae):					
	Herbs (dried incl. meat)	Hong Kong		1	Alta.
Phyllophaga sp. "a June beetle" (Scarabaeidae):					
	Liriodendron	N.Y. (USA)	1		Ont.
Platynota stultana Wlshm. "an orange worm" (Tortricidae):					
	Cissus (grape ivy)	Cal. (USA)	1		B.C.
	Rosa	Arizona (USA)	2		Ont.
Platyptilia sp. prob. pica Wlshm. "a plume moth" (Pterophoridae):					
	Pelargonium (cuttings)	Cal. (USA)	25		Que, B.C. (24x)
		Wash. (USA)	6		B.C.
Plusiinae (Noctuidae):					
	Orchids	Hawaii (USA)	1		Que.
Ponera sp. (Formicidae):					
	Ananas (pineapples)	Hawaii (USA)		1	B.C.
Pseudococcus fragilis Brain "citrophilus mealybug" (Pseudococcidae):					
	Citrus (mandarin oranges)	Japan		1	Man.
Pseudococcus sp. "mealybugs" (Pseudococcidae):					
	Carica (papaya)	Hawaii (USA)		1	B.C.
	Citrus (lemons)	Fla. (USA)		1	Ont.
	Dracaena	Fla. (USA)	1		Ont.
	Lychee nuts	Hong Kong		2	B.C.
Ptinus ocellus Brown "Australian spider beetle" (Ptinidae):					
	Citrus (mandarin oranges)	Japan		1	Man.
Reticulitermes sp. (Rhinotermitidae):					
	Wood crates and packing (holding cigars)	Salvador		1	Que.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Rhizopertha dominica (F.) "lesser grain borer" (Bostrichidae):					
	Phaseolus (beans)	Barbados		1	Sask.
Prob. Rhyacionia buoliana (Schiff.) "European pine shoot moth" (Olethreutidae):					
	Pinus nigra (decorative boughs)	Austria		1	B.C.
Solenopsis geminata (Fabr.) "fire ant" (Formicidae):					
	Orchids	Grand Cayman Island	1		B.C.
Saissetia oleae (Bern.) "black scale" (Coccidae):					
	*Nerium (Oleander)	Italy	1		N.S.
	*Laurus (laurel leaves)	Portugal		1	Que.
Sinoxylon anale Lesne (Bostrichidae):					
	Wood crates (holding cashew nuts)	India		1	Ont.
Sinoxylon conigerum Gerst. (Bostrichidae):					
	Wood crates (holding silk viscose)	India		1	N.S.
	Wood crates (holding metal products)	India		1	B.C.
	Wood pallets (holding tea chests)	Ceylon		1	Que.
Sitotroga cerealella (Oliv.) "angoumois grain moth" (Gelechiidae):					
	Zea (popping corn)	Kentucky (USA)		1	Ont.
Sterrha sp. (Geometridae):					
	Tilia (dried flowers)	France		1	Que.
Tanyptera sp. "a crane fly" (Tipulidae):					
	Zingiber (ginger roots)	Hong Kong		1	Alta.
Tetramorium caespitum (L.) "pavement ant" (Formicidae):					
	*Mentha (mint plants)	Portugal	1		Ont.
Theba pisana (Müller) "white garden snail" (Helicidae):					
	Cactus	Monaco	1		Que.
	Herbaceous plants	Monaco	1		Que.
Thes bergrothi (Reit.) "ridged-winged fungus beetle" (Lathridiidae):					
	Helianthus (dried sunflower plants)	Netherlands		1	Que.
Thorictodes heydeni (Reit.) (Dermestidae or Thorictidae):					
	Grain residue in ship	USA ?		1 non-entry	B.C.
Thripidae "Thrips":					
	Triticum (wheat plants)	Lebanon		1	Ont.
Thyridopteryx ephemeraeformis (Haw.) "a bagworm" (Psychidae):					
	Juniperus	Tenn. (USA)	4		Ont.
	Thuja	Tenn. (USA)	1		Ont.
Tortricidae:					
	Rhododendron	Fla. (USA)	1		Ont.
Trogoderma granarium Everts. "khapra beetle" (Dermestidae):					
	Zea (corn residue on ship) (Various infested cargo from this ship was intercepted inland at Alta. and Que.)	Orient (country ?)		1 non-entry	B.C.
Trogoxylon prostomoides (Gorham) "a powder post beetle" (Lyctidae):					
	Bamboo (basket)	Mexico		1	B.C.
Tyrophagus dimidiatus (Hermann) "a mite" (Tyroglyphidae):					
	Rosa	England	1		Ont.

*Indicates plants and materials prohibited entry by regulation.

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Prob. *Unaspis citri* (Comstock) "citrus snow scale" (Coccidae):					
	*Citrus (plant)	Hong Kong	1		B.C.
Veronicella floridana (Leidy) "a slug" (Veronicellidae):					
	Ficus (rubber plant)	Fla. (USA)	1		Ont.
Xylobiops sp. (Bostrichidae):					
	Wood crates (holding metal products)	India		1	B.C.
Xylothrips flavipes (Illiger) (Bostrichidae):					
	Wood crates (holding cashew nuts)	India		1	N.S.

*Indicates plants and materials prohibited entry by regulation.

PEST (fungus, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Ascochyta sp. "a leaf and bud decay" (Sphaeropsidales):					
	Chrysanthemum (cuttings)	Fla.(USA)	1		Ont.
Chrysomyxa ledi de Bary var. rhododendri (de Bary) Savile "rust" (Uredinales):					
	Rhododendron (var. "Vulcan")	Ore.(USA)	1		B.C.
Coleosporium senecionis (Pers.) Fr. "needle rust of pine" (Uredinales):					
	*Chrysanthemum? (poss. shasta daisy)	Netherlands	1		Alta.
Curvularia trifolii (Shear) Boed. f. sp. gladioli Parmelee & Luttrell "leaf spot & corm rot" (Moniliales):					
	Gladiolus (corms)	N.J. (USA)	1		Que.
Myxosporium lanceola Sacc. & Roum. "twig & Stem canker" (Melanconiales):					
	Quercus palustris	Netherlands	2		B.C.
Phyllosticta buxina Sacc. "a leaf spot" (Sphaeropsidales):					
	*Buxus (box plants)	Spain	1		Alta.
Phyllosticta dracaenae Griff. & Maub. "a leaf spot" (Sphaeropsidales):					
	Dracaena	Puerto Rico	1		B.C.
Puccinia buxi D.C. (box rust" (Uredinales):					
	*Buxus (box plants)	Spain	1		Alta.
Puccinia graminis Pers. f. sp. tritici Erikss. & Henn. Teliospore stage "stem rust" (Uredinales):					
	*Triticum (decorative dried wheat plants)	Israel		1	Que.
		Lebanon		1	Ont.

* Indicates plants and materials prohibited entry by regulation.

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Aphelenchoides sp. prob. fragariae (Ritzema Bos 1890) Christie 1932 "strawberry foliar nematode" (Aphelenchoididae):					
	Ginkgo	N.J. (USA)	1		Ont.
Aphelenchoides parietinus (Bastian 1865) (Aphelenchoididae):					
	*Fragaria (strawberry plants)	Poland	1		Alta.
	Rubus (boysenberry plants)	Ohio (USA)	1		Ont.
Aphelenchoides sp. (Aphelenchoididae):					
	Acer	Netherlands	1		Ont.
	Amaryllis	S. Africa	1		Ont.
	*Chrysanthemum?	Netherlands	1		Alta.
	Fraxinus	Netherlands	1		Ont.
	Gleditsia	N.Y. (USA)	1		Ont.
	*Herbaceous plants	Europe	1		Alta.
	Ligustrum	Netherlands	1		Ont.
	Magnolia	Mass.(USA)	1		Ont.
	Malus	N.Y. (USA)	1		Ont.
	Paeonia	Netherlands	1		Ont.
	Philadelphus	Tenn. (USA)	1		Ont.
	Pinaceae	Wisc. (USA)	1		Ont.
	Prunus	Iowa (USA)	1		Ont.
	Rhododendron	Netherlands	1		Ont.
		Cal. (USA)	1		Ont.
	Rosa	France	1		Ont.
		N.Y. (USA)	1		Que.
		Tex. (USA)	1		Ont.
	Taxus	Pa. (USA)	1		Ont.
	Viburnum	Netherlands	1		Ont.
Criconemoides mutabile Taylor 1936 "a ring nematode" (Criconematidae):					
	*Chrysanthemum?	Netherlands	1		Alta.
Criconemoides quadricorne (Kirjanova 1948) Raski 1958, or near, "a ring nematode" (Criconematidae):					
	Juniperus	Va. (USA)	1		Que.
Criconemoides xenoplax Raski 1952 "a ring nematode" (Criconematidae):					
	Tilia	Netherlands	1		Ont.
Criconemoides sp. (Criconematidae):					
	Ligustrum	Netherlands	1		Ont.
Diphtherophora sp. (Diphtherophoridae):					
	Ginkgo	N.J. (USA)	1		Ont.
	Gleditsia	N.Y. (USA)	2		Ont.
	Quercus	Pa. (USA)	1		Ont.
	Tilia	Pa. (USA)	1		Ont.
Ditylenchus sp. prob. destructor Thorne 1945 "potato rot nematode"					
	Gladiolus (corms)	Wash. (USA)	1		B.C.
Ditylenchus sp. (Tylenchidae):					
	Amaryllis	S. Africa	1		Ont.
	Iris (bulbous)	Wash. (USA)	1		B.C.
	Lilium	Cal.(USA)	1		Alta.
	Ribes	Netherlands	1		Que.
	Rosa	Netherlands	1		Ont.
	Tilia	Netherlands	1		Ont.
Doryllium sp. (Leptonchidae):					
	Rosa	Cal. (USA)	1		Ont.
Helicotylenchus digonicus Perry 1959 "a spiral nematode" (Tylenchidae):					
	Acer	N.Y. (USA)	1		Ont.
	Tilia	N.Y. (USA)	2		Ont.

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Helicotylenchus platyurus Perry 1959 "a spiral nematode" (Tylenchidae):					
	Acer	N.Y. (USA)	1		Ont.
	*Herbaceous plants	Europe	1		Alta.
	Juniperus	Md. (USA)	1		Que.
	Ligustrum	Netherlands	1		Ont.
	Rosa	N.Y. (USA)	1		Que.
Helicotylenchus pseudorobustus (Steiner 1914) Golden 1956 "a spiral nematode" (Tylenchidae):					
	Juniperus	Md. (USA)	1		Que.
	Ligustrum	Tenn. (USA)	1		Ont.
Helicotylenchus sp. "spiral nematodes" (Tylenchidae):					
	Acer	Ore. (USA)	1		Ont.
	Ligustrum	Tenn. (USA)	1		Ont.
	Magnolia	Ala. (USA)	1		Ont.
	Malus	Netherlands	1		Ont.
	Rosa	Tex. (USA)	1		Ont.
Heterodera avenae Woll. 1924 (Filip. 1934) or near "oat-cyst nematode" (Heteroderidae):					
	Plants (with soil)	*Belgium	2		Que.
		*Germany	1		Que.
		*Italy	8		Que., Ont. (7x)
		*Netherlands	2		Ont.
Heterodera bifenestra Cooper 1955 (Heteroderidae):					
	*Amomum (Cardomon plants)	Italy	1		Que.
Heterodera cacti Filip. & Stek. 1941 or near "cactus-cyst nematode" (Heteroderidae):					
	Cactus	*Monaco	1		Que.
		*Tunisia	1		Que.
		*U.K.	1		Que.
	Citrus (plant)	Tex. (USA)	1		Que.
	Herbaceous plant	*Netherlands	1		Alta.
	Ligustrum	Tenn. (USA)	1		Ont.
	Prunus	Mo. (USA)	1		Ont.
	Rosa	France	1		Ont.
	Sansevieria	Puerto Rico	1		Que.
Heterodera sp. prob. *cruciferae* Franklin 1945 "cabbage-cyst nematode"(Heteroderidae):					
	*Amomum (cardamon plants)	Italy	1		Que.
	*Apium (celeriac)	Europe		1	Que.
Heterodera humuli Filip. 1934 or near "hop-cyst nematode" (Heteroderidae):					
	*Plants (with soil)	Czechoslovakia	1		B.C.
		Europe	4		Que. (3x), Ont.
		France	1		Que.
		Italy	7		N.S.(2x), Que.(2x) Ont.(2x), B.C.
		Poland	1		Alta.
Heterodera punctata Thorne 1928 "grass-cyst nematode" (Heteroderidae):					
	*Automobile (with soil)	England		1	B.C.
	*Plants (with soil)	Netherlands	1		Ont.
		Pa. (USA)	1		
		United Kingdom	2		Que. & Ont.
Heterodera rostochiensis Woll. 1923 "potato-cyst nematode" (Heteroderidae):					
	*Dahlia (roots with soil)	England	1		Ont.
	*Gladiolus (corms with soil)	Germany	1		B.C.
	*Ilex (with soil)	Scotland	1		Ont.
	*Picea " "	Belgium	1		B.C.
	*Plants (various fruit, small fruit and ornamental plants with soil)	Germany	1		Que. (destination: B.C.)
	*Shamrocks (with soil)	Ireland	2		Ont.
	*Tractors (with soil)	England		1	B.C.

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Heterodera sp. prob. schachtii Schmidt 1871 "suger-beet nematode" (Heteroderidae)					
	*Buxus (with soil)	Poland	1		Ont.
	*Fragaria " "	Europe	1		Que.
	*Palm " "	Europe	1		Que.
	*Pinaceae " "	Europe	1		Que.
	*Solanum tuberosum potato tubers)	Europe	1		Que.
Heterodera sp. (not identifiable to species) There were 24 determinations on a wide variety of plants and soil originating in 10 countries.					
Heterodera trifolii Goffart 1932 (Oosten. 1949) "clover-cyst nematode", widespread in Canada (Heteroderidae): There were 33 determinations on a wide variety of plants and soil originating in 11 countries.					
Hoplolaimus galeatus (Cobb 1913) Sher 1961 "a lance nematode" (Tylenchidae)					
	Acer	N.Y. (USA)	2		Ont.
	Ginkgo	N.J. (USA)	1		Ont.
	Gleditsia	N.J. (USA)	1		Ont.
		N.J. (USA)	2		Ont.
	*Herbaceous plants	Europe	1		
	Juniperus	Tenn. (USA)	1		Ont.
	Malus	N.Y. (USA)	2		Ont.
	Tilia	N.Y. (USA)	2		Ont.
Hoplolaimus sp. "lance nematodes" (Tylenchidae):					
	Fraxinus	Netherlands	1		Ont.
	Juniperus	Tenn. (USA)	1		Ont.
	Ligustrum	Tenn. (USA)	1		Ont.
	Magnolia	Miss. (USA)	1		Ont.
	Pigeon adjuvants	Belgium	1		N.S.
	Tilia	Netherlands	2		Ont.
Meloidogyne arenaria (Neil 1889) Chitwood 1949 or near "peanut root-knot nematode" (Heteroderidae):					
	Populus	Netherlands	1		Ont.
	Rosa	Tex. (USA)	2		B.C.
	Weigela	Tenn. (USA)	1		Ont.
Meloidogyne hapla (Neil 1889) Chitwood 1949 "northern root-knot nematode (Heteroderidae):					
	*Chrysanthemum	England	1		Ont.
	Clematis	Netherlands	1		B.C.
	Fragaria	Minn. (USA)	1		Man.
	Lonicera	Tenn. (USA)	1		Ont.
	Lycopersicon (seedlings)	Ga. (USA)	1		Ont.
	Phellodendron	N.J. (USA	1		Ont.
	Philadelphus	Minn. (USA)	1		Man.
		Tenn. (USA)	1		Ont.
	Populus	Netherlands	1		Ont.
	Rosa	Belgium	2		Que.
		Cal. (USA)	1		B.C.
		France	2		Que. & Ont.
		Pa. (USA)	2		Ont.
		Te			
	Scabiosa	Mich.(USA)	1		Ont.
	Spiraea	Tenn. (USA)	1		Ont.
	Weigela	Tenn. (USA)	1		Ont.
Meloidogyne incognita (Kofoid & White 1919) Chitwood 1949 "southern root-knot nematode" (Heteroderidae):					
	Brassica (cabbage seedlings)	Ga. (USA)	1		Ont.
	Buddleia	Cal. (USA)	1		Ont.
	Lycopersicon (Tomato seedlings)	Ga. (USA)	1		Ont.
		Miss. (USA)	1		Ont.

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Meloidogyne incognita prob. *acrita* Chitwood 1949 "cotton root-knot nematode" (Heteroderidae):					
	Tilia	Netherlands	1		Ont.
Meloidogyne javanica (Treub. 1885) Chitwood 1949 "Javanese root-knot nematode" (Heteroderidae):					
	Brassica (cabbage seedlings)	Ga. (USA)	1		Ont.
	Lycopersicon (tomato seedlings)	Fa. (USA)	2		Ont.
Meloidogyne sp. "root-knot nematode" (Heteroderidae):					
	Begonia	Germany	1		Man.
	Brassica (Cabbage seedlings)	Ga. (USA)	1		Ont.
	Forsythia	Tenn. (USA)	1		Ont.
	Fragaria	Del. (USA)	2		Ont.
	Herbaceous plants	Monaco	1		Que.
	Ligustrum	Tenn. (USA)	1		Ont.
	Lycopersicon (seedlings)	Ga. (USA)	2		Ont.
	Phellodendron	N.J. (USA)	1		Ont.
	Ribes	Mich. (USA)	1		Ont.
	Rosa	France	3		Que.(2x), Ont.
		Ore. (USA)	1		B.C.
		Tex. (USA)	2		Ont. & B.C.
	Sorbus	Netherlands	1		Nfld.
	Spiraea	Tenn. (USA)	1		Ont.
	Weigela	Del. (USA)	2		Ont.
		Tenn. (USA)	1		Ont.
Neotylenchidae:					
	Acer	Netherlands	1		Ont.
	Ligustrum	Netherlands	1		Ont.
Paratylenchus nanus Cobb 1923 "a pin nematode" (Criconematidae):					
	Acer	N.Y. (USA)	1		Ont.
	Malus	N.Y. (USA)	1		Ont.
	Tilia	N.Y. (USA)	2		Ont.
Paratylenchus sp. "pin nematodes" (Criconematidae):					
	Acer	N.J. (USA)	1		Ont.
	Betula	Ore. (USA)	1		Ont.
	Fragaria	Czechoslovakia	1		Ont.
	Juniperus	Wisc. (USA)	1		Ont.
	Ligustrum	Netherlands	1		Ont.
	Rubus	Ia. (USA)	1		Ont.
Pratylenchus convallariae Seinhorst 1959 "a lesion nematode" (Tylenchidae):					
	**Chrysanthemum*?	Netherlands	1		Alta.
Pratylenchus crenatus Loof 1960 "a lesion nematode" (Tylenchidae):					
	Acer	N.Y. (USA)	1		Ont.
	**Campanula*	Netherlands	1		Alta.
	**Chrysanthemum*	Netherlands	1		Alta.
	Gleditsia	N.J. (USA)	1		Ont.
		N.Y. (USA)	3		Ont.
	**Linum*?	Netherlands	1		Ont.
		"	1		Alta.
	Malus	N.Y. (USA)	1		Ont.
	Rosa	N.Y. (USA)	1		Que.
	Thuja	Pa. 9(USA)	1		Ont.
	Tilia	Pa. (USA)	1		Ont.
		N.Y. (USA)	1		Ont.

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Pratylenchus neglectus (Rensch 1924) Filip. & S. Stek. 1941 "a lesion nematode" (Tylenchidae):					
	Abies	Wisc.(USA)	1		Ont.
	Pinus	Wisc. (USA)	2		Ont.
Pratylenchus penetrans (Cobb 1917) Filip. & S. Stek. 1941 "Cobb's lesion nematode" (Tylenchidae):					
	*Dahlia (with soil)	Denmark	1		Alta.
	Ginkgo	N.J. (USA)			
	Ligustrum	Netherlands	1		Ont.
Pratylenchus projectus or near, Jenkins 1956 "a lesion nematode" (Tylenchidae):					
	*Herbaceous plants	Poland	1		Alta.
Pratylenchus sp. "lesion nematodes" (Tylenchidae):					
	There were 23 determination from a wide variety of plants from 6 countries.				
Pratylenchus vulnus Allen & Jensen 1951 "walnut lesion nematode" (Tylenchidae):					
	Ligustrum	Tenn. (USA)	1		Ont.
Rotylenchus robustus (de Man 18 6) Filip. 1936 "a spiral nematode" (Tylenchidae):					
	*Chrysanthemum?	Netherlands	1		Alta.
	Rhododendron	Md. (USA)	1		Man.
Trichodorus sp. prob. *aequalis* Allen 1957 "a stubby-root nematode" (Diphtherophoridae):					
	Acer	N.Y. (USA)	1		Ont.
Trichodorus sp. prob. *proximus* Allen 1957 "a stubby-root nematode" (Diphtherophoridae):					
	Acer	N.Y. (USA)	1		Ont.
Tylenchorhynchus brevidens Allen 1955 "a stunt nematode" (Tylenchidae):					
	*Dahlia (tuber with soil)	Denmark	1		Alta.
	Ginkgo	N.J. (USA)	1		Ont.
	*Linum (?) (flax plant)	Netherlands	1		Alta.
	Rhododendron	N.Y. (USA)	1		Ont.
Tylenchorhynchus claytoni Steiner 1937 "tobacco stunt nematode" (Tylenchidae)					
	Rhododendron	Md. (USA)	1		Man.
		N.Y. (USA)	1		Ont.
Tylenchorhynchus nothus Allen 1955 "a stunt nematode" (Tylenchidae):					
	*Chrysanthemum?	Netherlands	1		Alta.
Tylenchorhynchus ornatus Allen 1955 "a stunt nematode" (Tylenchidae)					
	*Herbaceous plant	Poland	1		Alta.
Tylenchorhynchus sp. "stunt nematodes" (Tylenchidae):					
	Acer	N.J. (USA)	1		Ont.
	Magnolia	Miss. (USA)	1		Ont.
	Rhododendron	N.Y. (USA)	1		Ont.
	Thuja	Wisc. (USA)	1		Ont.
Tylenchus cancellatus Cobb 1925 (Tylenchidae):					
	Acer	N.Y. (USA)	1		Ont.
	Tilia	N.Y. (USA)	1		Ont.
Tylenchus sp. (Tylenchidae):					
	Various woody and herbaceous plants.	USA states: Ala., Cal., Ia., Md., Missl, N.J., Ohio, Ore. Tenn., Tex., Va. and Czechoslovakia, Hungary, Netherlands, Poland, and United Kingdon.	50		Que. (4x), Ont. (41x), Alta. (4x), B.C. (1x)

PEST (Nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propa-gation	Consump-tion.	COLLECTED IN
Xiphinema americanum Cobb 1913 "a dagger nematode" (Longidoridae):					
	Acer	N.Y. (USA)	1		Ont.
		Pa. (USA)	1		Ont.
	Gleditsia	N.J. (USA)	2		Ont.
		N.Y. (USA)	2		Ont.
	Juniperus	Va. (USA)	1		Que.
		Tenn. (USA)	1		Ont.
	Ligustrum	Tenn. (USA)	1		Ont.
	Malus	N.Y. (USA)	2		Ont.
	Quercus	N.J. (USA)	1		Ont.
		Pa. (USA)	1		Ont.
	Rosa	Cal. (USA)	1		Ont.
	Rubus	Mich. (USA)	1		Que.
	Tilia	N.Y. (USA)	2		Ont.
		Pa. (USA)	2		Ont.
	Woody plants	Tenn. (USA)	1		Ont.
Xiphinema sp. "dagger nematodes" (Longidoridae):					
	Ligustrum	Tenn. (USA)	1		Ont.
	Lonicera	Tenn. (USA)	1		Ont.

Hosts (or carriers) of Intercepted Pests

ABIES:
- Pratylenchus neglectus (Nematode)

ACER:
- Aphelenchoides sp. "
- Helicotylenchus digonicus "
- H. platyurus "
- Helicotylenchus sp. "
- Hoplolaimus galeatus (2x) "
- Neotylenchidae "
- Paratylenchus nanus "
- Paratylenchus sp. "
- Pratylenchus crenatus "
- Trichodorus sp. prob. aequalis "
- Trichodorus sp. prob. proximus "
- Tylenchorhynchus sp. "
- Tylenchus cancellatus "
- Xiphinema americanum (2x) "

AIRPLANE (space):
- Anthrenus flavipes (Insect)
- Camponotus sp. "
- Hofmannophila pseudospretella "
- Locustidae "
- Minthea rugicollis "

AMARYLLIS:
- Aphelenchoides sp. (Nematode)
- Ditylenchus sp. "

AMOMUM (cardamon plants):
- Heterodera bifenestra "
- Heterodera sp. prob. cruciferae "
- Heterodera sp. prob. goettingiana (Nematode)

ANANAS (pineapple):
- Blatta orientalis (Insect)
- Carpophilus hemipterus "
- C. humeralis (2x) "
- C. obsoletus "
- Forficula auricularia (4x) "
- Paratrechina longicornis "
- Ponera sp. "

APIUM (celeriac):
- Heterodera sp. prob. goettingiana (Nematode)

ARACHIS (peanuts):
- Callosobruchus maculatus (Insect)

AUTOMOBILE (with soil):
- Heterodera punctata "

BAMBOO (baskets):
- Lathridius minutus "
- Trogoxylon prostomoides "

BAMBOO (crates):
- Dinoderus brevis "
- Heterobostrychus sp. "
- H. sp. prob. brunneus "

BEGONIA:
- Meloidogyne sp. "

BETULA:
- Paratylenchus sp. (Nematode)

BETULA (branches):
- Eriophyes sp. (mite)

BRASSICA (cabbage seedlings):
- Meloidogyne sp. (Nematode)
- M. incognita "
- M. javanica "

BRAZIL NUTS:
- Carpophilus hemipterus (Insect)

BUDDLEIA:
- Meloidogyne incognita (Nematode)

BUXUS:
- Heterodera sp. prob. schachtii "
- Phyllosticta buxina (Fungus)
- Puccinia buxi "

BUXUS (branches):
- Monarthropalpus buxi (Insect)

CACTUS:
- Helix aspersa (Snail)
- Heterodera cacti (3x) (Nematode)
- Theba pisana "

CALAMONDIN:
- Locustidae (Insect)

CAMPANULA:
- Pratylenchus crenatus (Nematode)

CARICA (Papaya):
- Pseudococcus sp. (Insect)

CHAMAEDOREA (Palm):
- Diaspis boisduvalii "

CHRYSANTHEMUM:
- Aphelenchoides sp. (Nematode)
- Coleosporium senecionis (Fungus)
- Criconemoides mutabile (Nematode)
- Meloidogyne hapla "
- Pratylenchus convallariae "
- P. crenatus "
- Rotylenchus robustus "
- Tylenchorhynchus nothus "

CHRYSANTHEMUM (cuttings):
- Ascochyta sp. (Fungus)
- ? Autoplusia egena (Insect)

CISSUS (grape ivy):
- Platynota stultana "

CITRUS:
- Heterodera cacti (Nematode)
- ? Unaspis citri (Insect)

Hosts (or carriers) of Intercepted Pests

CITRUS (orange & lemon fruit)
- Ceratitis capitata (Insect)
- Pseudococcus sp. "
- P. fragilis "
- Ptinus ocellus "

CLEMATIS:
- Meloidogyne hapla (Nematode)

COCOA BEANS:
- Carpophilus dimidiatus (Insect)
- C. obsoletus "

COPRA RESIDUE IN SHIP:
- Carpophilus humeralis "

CORDYLINE (Ti plant):
- Chionaspis longiloba "

CORN AND MILO RESIDUE IN SHIP:
- Alphitobius laevigatus "

CYNARA (globe artichoke):
- Noctuidae "

DAHLIA:
- Heterodera rostochiensis (Nematode)
- Pratylenchus penetrans "
- Tylenchorhynchus brevidens "

DRACAENA:
- Phyllosticta dracaenae (Fungus)
- Pseudococcus sp. (Insect)

DRUMS (Musical)
- Heterobostrychus sp. "
- Lyctus africanus "

FICUS:
- Arctiidae "
- Veronicella floridana (Slug)

FORSYTHIA:
- Meloidogyne sp. (Nematode)

FRAGARIA:
- Aphelenchoides parietinus "
- Heterodera sp. prob. Schachtii (Nematode)
- Meloidogyne sp. "
- M. hapla "
- Paratylenchus sp. "

FRAXINUS:
- Aphelenchoides sp. "
- Hoplolaimus sp. "

FRUIT (unidentified):
- Paratrechina longicornis (Insect)

GINKGO:
- Aphelenchoides sp. prob. fragariae (Nematode)
- Diphtherophora sp. "
- Hoplolaimus galeatus "
- Tylenchorhynchus brevidens "

GLADIOLUS (corms):
- Curvularia trifolii f. sp. gladioli (Fungus)
- Ditylenchus sp. prob. destructor (Nematode)
- Heterodera rostochiensis "

GLEDITSIA:
- Aphelenchoides sp. "
- Diphtherophora sp. (2x) "
- Hoplolaimus galeatus (3x) "
- Pratylenchus crenatus (4x) "
- Xiphinema americanum (4x) "

GRAIN RESIDUE IN SHIP:
- Acedes pallescentella (8x) (Insect)
- Altica sp. "
- Carpophilus hemipterus "
- Cartodere sp. "
- Corticaria pubescens "
- Cryptolestes pusillus "
- C. turcicus "
- Gibbium psylloides "
- Hofmannophila pseudospretella (2x) (Insect)
- Thorictodes heydeni "

HELIANTHUS (dried sunflower plants):
- Thes bergrothi (Insect)

HERBACEOUS PLANTS:
- Arianta arbustorum (2x) (Snail)
- Aphelenchoides sp. (Nematode)
- Helicotylenchus platyurus "
- Heterodera cacti "
- H. prob. cruciferae (2x) "
- Hoplolaimus galeatus "
- Meloidogyne sp. "
- Pratylenchus projectus "
- Theba pisana (Insect)
- Tylenchorhynchus ornatus (Nematode)

HERBS (dried, incl. meat):
- Pheidole dentata (Insect)

HOUSEHOLD EFFECTS:
- Chrysolina sp. prob. banksi "
- Leptothorax sp. "

ILEX:
- Aspidiotus hederae "
- Heterodera rostochiensis (Nematode)

INULA:
- Elater abruptus (Insect)

IRIS (bulbous):
- Ditylenchus sp. (Nematode)

JUGLANS (nuts):
- Lasperyresia splendana (Insect)

Hosts (or carriers) of Intercepted Pests

JUNIPERUS:
- Altica sp. (Insect)
- Criconemoides quadricorne (Nematode)
- Helicotylenchus platyurus "
- H. pseudorobustus "
- Hoplolaimus sp. "
- H. galeatus "
- Helix aspersa (Snail)
- Noctuidae (Insect)
- Paratylenchus sp. (Nematode)
- Thyridopteryx ephemeraeformis (4x) (Insect)
- Xiphinema americanum (2x) (Nematode)

LABURNUM:
- Arion ater (slug)

LATHYRUS (seed):
- Bruchus tristiculus (Insect)

LAURUS (leaves):
- Saissetia oleae "

LENS CULINARIS (lentils):
- Bruchus lentis "

LIGUSTRUM:
- Aphelenchoides sp. (Nematode)
- Cepaea nemoralis (Snail)
- Helicotylenchus sp. "
- H. platyurus "
- H. pseudorobustus "
- Heterodera cacti "
- Hoplolaimus sp. "
- Meloidogyne sp. "
- Neotylenchidae "
- Paratylenchus sp. "
- Pratylenchus crenatus "
- P. penetrans "
- P. vulnus "
- Xiphinema sp. "
- X. americanum "

LILIUM:
- Ditylenchus sp. "

LINUM (?):
- Pratylenchus crenatus "
- Tylenchorhynchus brevidens "

LIRIODENDRON:
- Phyllophaga sp. (Insect)

LONICERA:
- Meloidogyne hapla "
- Xiphinema sp. "

LYCHEE NUTS:
- Pseudococcus sp. "

LYCOPERSICON (seedlings):
- Agrotis subterranea "
- Meloidogyne sp. (2x) "
- M. hapla "
- M. incognita (2x) "
- M. javanica (2x) "

MAGNOLIA:
- Aphelenchoides sp. (Nematode)
- Helicotylenchus sp. "
- Hoplolaimus sp. "
- Tylenchorhynchus sp. "

MALUS:
- Aphelenchoides sp. "
- Helicotylenchus sp. "
- Hoplolaimus galeatus (2x) "
- Pratylenchus nanus "
- P. crenatus "
- Xiphinema americanum (2x) "

MALUS (fruit):
- Aspidiotus sp. (Insect)
- prob. Morrisonia sp. "

MENTHA:
- Tetramorium caespitum "

NARCISSUS:
- Limothrips cerealium "

NERIUM (oleander):
- Aspidiotus hederae "
- Saissetia oleae "

ORCHIDS:
- Camponotus abdominalis floridanus (Insect)
- Camponotus ferrugineus "
- Cossoninae "
- Cryptorhynchini "
- Monomorium minimum "
- Paratrechina longicornis "
- Plusiinae "
- Solenopsis geminata "

ORNAMENTALS (in cans):
- Helix aspersa (2x) (Snail)

ORYZA (rice):
- Carpophilus obsoletus (Insect)
- Microgramme arge "

PACKING ON PLANTS:
- Myrmica laevinodis "

PAEONIA:
- Aphelenchoides sp. (Nematode)

PALM:
- Heterodera sp. prob. schachtii "

PANICUM (millet residue on ship):
- Carpophilus obsoletus (Insect)

PELARGONIUM (cuttings):
- Platyptilia sp. prob. pica (3lx) (Insect)

PEPPER & COFFEE:
- Murmidius ovalis "

Hosts (or carriers) of Intercepted Pests

PHASEOLUS (beans):
- Callosobruchus maculatus (Insect)
- Rhizopertha dominica "

PHELLODENDRON:
- Meloidogyne sp. (Nematode)
- M. hapla "

PHILADELPHUS:
- Aphelenchoides sp. "
- Meloidogyne hapla (2x) "

PICEA:
- Arion ater (Slug)
- Corticaria pubescens (Insect)
- Heterodera rostochiensis (Nematode)

PIGEON ADJUVANTS:
- Hoplolaimus sp. "

PINACEAE:
- Aphelenchoides sp. "
- Heterodera sp. prob. schachtii "

PINUS NIGRA (decorative boughs):
- Prob. Rhyacionia buoliana (Insect)

PISTIA (water lettuce):
- Noctuidae "

POPULUS:
- Arctiidae "
- Meloidogyne arenaria (Nematode)
- M. hapla "

PRUNUS:
- Aphelenchoides sp. "
- Heterodera cacti "

PRUNUS (dried apricots):
- Carpoglyphus lactis (Insect)

QUERCUS:
- Curculio sp. (in seed) "
- Diptherophora sp. (Nematode)
- Myxosporium lanceola (2x) (Fungus)
- Xiphinema americanum (2x) (Nematode)

RHODODENDRON:
- Aphelenchoides sp. "
- Chrysomyxa ledi var. rhododendri (Fungus)
- Gracilaria azaleella (4x) (Insect)
- Rotylenchus robustus (Nematode)
- Tylenchorhynchus sp. "
- T. brevidens "
- T. claytoni (2x) "

RIBES:
- Ditylenchus sp. "
- Meloidogyne sp. "
- Xiphinema americanum "

ROSA:
- Aphelenchoides sp. (4x) (Nematode)
- Ditylenchus sp. "
- Doryllium sp. "
- Helicotylenchus sp. "
- H. platyurus "
- Heterodera cacti "
- Meloidogyne sp. (6x) "
- M. arenaria (2x) "
- M. hapla (13x)
- Pratylenchus crenatus "
- Xiphinema americanum "
- Platynota stultana (Insect)
- Tyrophagus dimidiatus (Mite)

ROSA (dried flowers):
- Attagenus gloriosae (Insect)

ROSMARINUS (rosemary herb):
- Chrysolina sp. prob. americana (Insect)
- Geometridae "

RUBUS:
- Aphelenchoides parietinus (Nematode)
- Paratylenchus sp. "

SANSEVIERIA:
- Heterodera cacti "

SCABIOSA:
- Meloidogyne hapla "

SCHEFFLERA:
- prob. Hemiberlesia lataniae (Insect)

SHAMROCKS:
- Heterodera rostochiensis (2x) (Nematode)

SHIP (space):
- Glischrochilus quadrisignatus (Insect)
- Noctuidae

SILK COCOONS:
- Attagenus gloriosae "

SOLANUM TUBEROSUM:
- Heterodera sp. prob. schachtii "

SORBUS:
- Meloidogyne sp. "

SPHAGNUM PACKING:
- Ctenicera sjaelandica (Insect)
- Cytilus sp. prob. alternatus (Insect)
- Notaris sp. "

SPIRAEA:
- Meloidogyne sp. (Nematode)
- M. hapla "

TAXUS:
- Aphelenchoides sp. "

Hosts (or carriers)of Intercepted Pests

THUJA:
- Pratylenchus crenatus (Nematode)
- Thyridopteryx ephemeraeformis (Insect)
- Tylenchorhynchus sp. (Nematode)

TILIA:
- Criconemoides xenoplax "
- Diphtherophora sp. "
- Ditylenchus sp. "
- Helicotylenchus digonicus (2x) "
- Hoplolaimus sp. (2x) "
- H. galeatus (2x) "
- Meloidogyne incognita prob. acrita (Nematode)
- Pratylenchus crenatus (2x) "
- Tylenchus cancellatus "
- Xiphinema americanum (4x) "

TILIA (dried flowers):
- Sterrha sp. (Insect)

TRACTORS WITH SOIL:
- Heterodera rostochiensis "

TRITICUM (dried wheat plants):
- Puccinia graminis f. sp. tritici (2x) (Fungi)

VIBURNUM:
- Ceruraphis eriophori (Insect)
- Aphelenchoides sp. (Nematode)

VICIA (broadbeans):
- Bruchus rufimanus (3x) "
- Callosobruchus maculatus "

VINCA:
- Andricus sp. "

WEIGELA:
- Meloidogyne sp. (3x) "
- M. arenaria "
- M. hapla "

ZEA (corn residue on ship):
- Trogoderma granarium "

ZEA (dried corn stalks):
- Ostrinia nubilalis "

ZEA (fresh corn):
- Laphygma sp. "

ZEA (popping corn):
- Sitotroga cerealella "

ZINGIBER (ginger roots):
- Corticaria pubescens "
- Taniptera sp. "

WOOD CRATES (holding various products):
- Dinoderus bifoviolatus (Insect)
- Heterobostrychus aequalis (2x) "
- Lyctus africanus "
- Minthea rugicollis "
- Reticulitermes sp. "
- Sinoxylon anale "

WOOD CRATES (cont'd)
- S. conigerum (3x) (Insect)
- Xylobiops sp. "
- Xylothrips flavipes "

WOOD PARTS OF FARM MACHINERY:
- Euponera solitaria (Insect)

WOOD (ship bulkhead):
- Ips typographus "

WOODY PLANTS:
- Xiphinema americanum (Nematode)

Countries of Origin and Pests Intercepted

AUSTRALIA:
- Microgramme arge (Insect)
- Prob. Morrisonia sp. "

AUSTRIA:
- Prob. Rhyacionia buoliana "

BARBADOS:
- Rhizopertha dominica "

BELGIUM:
- Corticaria pubescens "
- Heterodera avenae (2x) (Nematode)
- H. rostochiensis "
- Hoplolaimus sp. "
- Meloidogyne hapla "

BRAZIL:
- Carpophilus hemipterus (Insect)

CAMEROON:
- Carpophilus dimidiatus "
- C. obsoletus "

CEYLON:
- Sinoxylon conigerum "

CHINA:
- Carpophilus obsoletus "
- Lathridius minutus "

CZECHOSLOVAKIA:
- Heterodera humuli (Nematode)
- Paratylenchus sp. "

DENMARK:
- Pratylenchus penetrans "
- Tylenchorhynchus brevidens "

ENGLAND:
- Heterodera punctata "
- H. rostochiensis (2x) "
- Meloidogyne hapla "
- Tyrophagus dimidiatus (Mite)

EUROPE:
- Arianta arbustorum (Snail)
- Aphelenchoides sp. "
- Helicotylenchus platyurus "
- Heterodera sp. prob. goettingiana (Nematode)
- H. humuli (4x) "
- H. sp. prob. schachtii (4x) "
- Hoplolaimus galeatus "
- Noctuidae (Insect)

FINLAND:
- Eriophyes sp. (Mite)

FRANCE:
- Aphelenchoides sp. "
- Heterodera cacti "
- H. humuli
- Meloidogyne sp. (3x) "
- M. hapla "
- Sterrha sp. "

GERMANY:
- Heterodera avenae (Nematode)
- H. rostochiensis (2x) "
- Meloidogyne sp. "

GRAND CAYMAN ISLAND:
- Camponotus abdominalis (Insect)
- C. ferrugineus "
- Cossoninae "
- Cryptorhynchini "
- Monomorium minimum "
- Paratrechina longicornis "
- Solenopsis geminata "

HONG KONG:
- Chionaspis longiloba "
- Heterodera sp. prob. cruciferae "
- Pheidole dentata (Insect)
- Pseudococcus sp. "
- Tanyptera sp. "
- Prob. Unaspis citri "

INDIA:
- Dinolderus bifoviolatus "
- D. brevis (6x) "
- Heterobostrychus sp. "
- H. aequalis (2x) "
- H. sp. prob. brunneus "
- Lyctus africanus "
- Minthea rugicollis "
- Sinoxylon anale "
- S. conigerum (2x) "
- Xylobiops sp. "
- Xylothrips flavipes "

IRELAND (Eire):
- Heterodera rostochiensis (2x) "

IRELAND (Northern):
- Myrmica laevinodis (Insect)

ISRAEL:
- Puccinia graminis f. sp. tritici (Fungus)

ITALY:
- Aspidiotus hederae (Insect)
- Bruchus rufimanus (3x) "
- Chrysolina sp, prob. americana (Insect)
- Heterodera avenae (8x) (Nematode)
- H. bifenestra "
- H. sp. prob. cruciferae (2x) "
- H. sp. prob. goettingiana "
- H. humuli (7x) "
- Laspeyresia splendana (Insect)
- Saissetia oleae "

JAPAN:
- Euponera solitaria "
- Hofmannophila pseudospretella (Insect)
- Pseudococcus fragilis "
- Ptinus ocellus "

JUGOSLAVIA:
- Leptothorax sp. "

Countries of Origin and Pests Intercepted

KENYA:
- Heterobostrychus sp. (Insect)
- Lyctus africanus "

LEBANON:
- Bruchus lentis "
- Puccinia graminis f. sp. tritici (Fungus)
- Thripidae (Insect)

MEXICO:
- Trogoxylon prostomoides "

MONACO:
- Arianta arbustorum (Snail)
- Heterodera cacti (Nematode)
- Meloidogyne sp. "
- Theba pisana (2x) "

MOROCCO:
- Attagenus gloriosae (Insect)
- Geometridae "

NETHERLANDS:
- Aphelenchoides sp. (7x) (Nematode)
- Arctiidae "
- Arion ater (2x) (Slug)
- Cepaea nemoralis (Snail)
- Ceruraphis eriophori (Insect)
- Coleosporium senecionis (Fungus)
- Criconemoides sp. "
- C. mutabile "
- C. xenoplax "
- Ctenicera sjaelandica (Insect)
- Cytilus sp. prob. alternatus "
- Ditylenchus sp. (3x) "
- Helicotylenchus sp. "
- H. platyurus "
- Heterodera avenae (2x) "
- H. cacti "
- H. punctata "
- Hoplolaimus sp. (3x) "
- Limothrips cerealium "
- Meloidogyne sp. "
- M. arenaria "
- M. hapla (2x) "
- Myxosporium lanceola (2x) (Fungus)
- Neotylenchidae (2x) (Nematode)
- Notaris sp. (Insect)
- Ostrinia nubilalis "
- Paratylenchus sp. "
- Pratylenchus convallariae "
- P. crenatus (3x) "
- P. penetrans "
- Rotylenchus robustus "
- Thes bergrothi (Insect)
- Tylenchorhynchus brevidens "
- T. nothus "

NIGERIA:
- Callosobruchus maculatus (2x) (Insect)

ORIENT (country?):
- Trogoderma granarium "

PHILIPPINES:
- Paratrechina longicornis (Insect)

PORTUGAL:
- Bruchus tristiculus "
- Chrysolina sp. prob. banksi "
- Saissetia oleae "
- Tetramorium caespitum "

POLAND:
- Aphelenchoides parietinus (Nematode)
- Heterodera humuli "
- H. sp. prob. schachtii "

PUERTO RICO:
- Phyllosticta dracaenae (Fungus)

RUSSIA ? (U.S.S.R.):
- Ips typographus (Insect)

SALVADOR:
- Reticulitermes sp. "

SCOTLAND:
- Heterodera rostochiensis (Nematode)

SOUTH AFRICA:
- Aspidiotus sp. (Insect)
- Ceratitis capitata "
- Carpoglyphus lactis "
- Ditylenchus sp. "
- Forficula auricularia "

SPAIN:
- Monarthropalpus buxi "
- Phyllosticta buxina (Fungus)
- Puccinia buxi "

THAILAND:
- Attagenus gloriosae (2x) (Insect)
- Callosobruchus maculatus "

TOGO:
- Callosobruchus maculatus "

TRINIDAD:
- Corticaria pubescens "
- Noctuidae "

TUNISIA:
- Heterodera cacti (Nematode)

UNITED KINGDOM (country?)
- Heterodera punctata (2x) "
- Hofmannophila pseudospretella (2x) (Insect)

UNITED STATES OF AMERICA (by States):

ALABAMA:
- Helicotylenchus sp. (Nematode)

ARIZONA:
- Platynota stultana (2x) (Insect)

Countries of Origin and Pests Intercepted

CALIFORNIA:
- Altica sp. (Insect)
- Anthrenus flavipes "
- Aphelenchoides sp. (Nematode)
- Diaspis boisduvalii "
- Ditylenchus sp. "
- Doryllium sp. "
- Helix aspersa (4x) (Snail)
- Meloidogyne hapla "
- M. incognita "
- Noctuidae (Insect)
- Platynota stultana "
- Platyptilia sp. prob. pica (25x) (Insect)
- Tylenchus sp. (Nematode)
- Xiphinema americanum "

DELAWARE:
- Meloidogyne sp. (4x) "

FLORIDA:
- Ascochyta sp. (Fungus)
- ? Autoplusia egena (Insect)
- ? Hemiberlesia lataniae "
- Laphygma sp. "
- Locustidae "
- Pseudococcus sp. (3x) "
- Tortricidae "
- Veronicella floridana (Slug)

GEORGIA:
- Agrotis subterranea (Insect)
- Meloidogyne sp. (3x) (Nematode)
- M. hapla "
- M. incognita (2x) "
- M. javanica (3x) "

HAWAII:
- Blatta orientalis (Insect)
- Carpophilus hemipterus "
- C. humeralis (2x) "
- Forficula auricularia "
- Minthea rugicollis "
- Paratrechina longicornis "
- Plusiinae "
- Ponera sp. "
- Pseudococcus sp. "

IOWA:
- Aphelenchus sp. "
- Paratylenchus sp. "
- Tylenchus sp. "

KENTUCKY:
- Sitotroga cerealella "

MARYLAND:
- Helicotylenchus platyurus "
- H. pseudorobustus "
- Rotylenchus robustus "
- Tylenchorhynchus claytoni "
- Tylenchus sp. "

MASSACHUSETS:
- Aphelenchoides sp. "
- Curculio sp. "

MICHIGAN:
- Meloidogyne sp. (Nematode)
- M. hapla "
- Xiphinema americana "

MINNESOTA:
- Meloidogyne hapla (2x) "

MISSISSIPPI:
- Hoplolaimus sp. "
- Tylenchorhynchus sp. "
- Tylenchus sp. "

MISSOURI:
- Heterodera cacti "

NEW HAMPSHIRE:
- Elater abruptus (Insect)

NEW JERSEY:
- Aphelenchoides sp. prob. fragariae (Nematode)
- Curvularia trifolii f. sp. gladioli (Fungus)
- Diphtherophora sp. (Nematode)
- Hoplolaimus galeatus (2x) "
- Meloidogyne sp. "
- M. hapla "
- Paratylenchus sp. "
- Pratylenchus crenatus "
- P. penetrans "
- Tylenchorhynchus sp. "
- T. brevidens "
- Tylenchus sp. "
- Xiphinema americanum (3x) "

NEW YORK:
- Aphelenchoides sp. (3x) "
- Arctiidae (Insect)
- Diphtherophora sp. (2x) "
- Helicotylenchus digonicus (3x) "
- H. platyurus (2x) "
- Hoplolaimus galeatus (8x) "
- Paratylenchus nanus (4x) "
- Phyllophaga sp. (Insect)
- Pratylenchus crenatus (7x) "
- Trichodorus sp. prob. aequalis "
- T. sp. prob. proximus "
- Tylenchorhynchus brevidens "
- T. claytoni "
- Tylenchorhynchus sp. "
- Tylenchus sp. "
- T. cancellatus "
- Xiphinema americanum (7x) "

OHIO:
- Aphelenchoides parietinus "
- Gracilaria azaleella (Insect)
- Tylenchus sp. "

OREGON:
- Aspidiotus hederae "
- Chrysomyxa ledi var. rhododendri (Fungus)
- Gracilaria azaleella (4x) (Insect)
- Helicotylenchus sp. (Nematode)
- Meloidogyne sp. "
- Paratylenchus sp. "
- Tylenchus sp. "

Countries of Origin and Pests Intercepted

PENNSYLVANIA:
- Aphelenchoides sp. (Nematode)
- Heterodera punctata "
- Meloidogyne hapla (2x) "
- Pratylenchus crenatus (2x) "
- Xiphinema americanum (4x) "

TENNESSEE:
- Aphelenchoides sp. "
- Helicotylenchus sp. "
- H. pseudorobustus "
- Heterodera cacti "
- Hoplolaimus sp. (2x) "
- H. galeatus "
- Meloidogyne sp. (4x) "
- M. arenaria "
- M. hapla (4x) "
- Pratylenchus vulnus "
- Tylenchus sp. "
- Xiphinema sp. (2x) "
- X. americanum (3x) "

TEXAS:
- Aphelenchoides sp. "
- Carpophilus obsoletus (Insect)
- Helicotylenchus sp. "
- Heterodera cacti "
- Meloidogyne sp. (2x) "
- M. arenaria (2x) "
- M. hapla (6x) "
- Tylenchus sp. "

VIRGINIA:
- Criconemoides quadricorne "
- Diphtherophora sp. (2x) "
- Tylenchus sp. "
- Xiphinema americanum "

WASHINGTON:
- Ditylenchus sp. (2x) "
- Platyptilia sp. prob. pica (6x) "

WISCONSIN:
- Paratylenchus sp. "
- Pratylenchus neglectus (3x) "
- Tylenchorhynchus sp. "

U.S.A. (State?)
- Thorictodes heydeni (Insect)

U.S.S.R. (Country?):
- Noctuidae "

ORIGIN (?):
- Acedes pallescentella (8x) (Insect)
- Alphitobius laevigatus "
- Altica sp. "
- Camponotus sp. "
- Carpophilus hemipterus "
- C. humeralis "
- Corticaria pubescens "
- Cryptolestes pusillus "

ORIGIN (?) (cont'd)
- C. turcicus (Insect)
- Forficula auricularia "
- Gibbium psylloides "
- Glischrochilus quadrisignatus "
- Locustidae "
- Murmidius ovalis "